

REMARKS

Claim 28 has been canceled. Claims 21, 29, 36, 39 and 40 have been amended. Claims 21-40 are currently pending in the present application. Reexamination and reconsideration of the application, as amended, are respectfully requested.

AMENDED CLAIMS

Claims 21, 29, 36, 39 and 40 have been amended. Claim 29 has been amended to correct informalities in the claim. Claim 21 has been amended to incorporate the limitations of claim 28. Claim 36 has been amended to clarify aspects of the invention in a more particular and distinct manner. Claims 39 and 40 have been amended to maintain consistency in language with the amendments in independent claim 36. Support for these amendments to the claims can be found on pages 8-16 of the specification. No new matter has been added.

REJECTION OF THE CLAIMS UNDER 35 U.S.C. 112

Claims 29-35 are rejected under 35 U.S.C. 112, second paragraph for the reasons set forth on page 3 of the Action. The informality noted by the Action has been corrected. The “memory” has been changed to “storage,” which has antecedent basis.

Accordingly, it is submitted that claims 29-35 now fully comply with the requirements of 35 U.S.C. 112, second paragraph. It is respectfully requested that claim rejections under 35 U.S.C. 112, second paragraph, be withdrawn.

ALLOWABLE SUBJECT MATTER

Applicant graciously acknowledges the allowable subject matter set forth on pages 5 and 6 of the Action. Claim 29 has been amended to overcome the rejection under 35 U.S.C. 112, second paragraph. Claim 28 has been re-written as amended claim 21 to include all the limitations of the base claim and any intervening claims.

Claim 36 has been amended to recite the specific step of using a digital controller to access drive waveform parameters, where the parameters include at least one parameter for affecting the negative peaking portion of the drive waveform.

Regarding amended independent claim 36, it is respectfully submitted that Shastri, whether alone or in view of Heilman and Olsen, does not fairly teach or suggest a method for providing a drive waveform, as claimed. For example, the cited references do not fairly teach or suggest, inter alia, the following:

employing the digital controller to access from the storage a first set of drive waveform parameters for a first laser, ..

employing the digital controller to access from the storage a second set of drive waveform parameters during the operation of the laser driver based on one of a temperature factor and an aging factor ..

wherein the drive waveform parameters includes at least one parameter for affecting the negative peaking portion of the drive waveform,” as claimed.

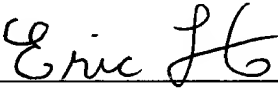
Dependent claims 37-40 incorporate all the limitations of independent claim 36. In this regard, the dependent claims 37-40 also add additional limitations, thereby making the dependent claims a fortiori and independently patentable over the cited references.

In view of the foregoing, it is respectfully submitted that the Shastri reference, whether alone or in combination with Heilman and Olsen, fails to teach or suggest the driver and method for providing a drive waveform, as claimed. Accordingly, it is respectfully requested that the rejection of the claims 36-40 under 35 U.S.C. 103 be withdrawn.

Conclusion

For all the reasons advanced above, it is respectfully submitted that the application is in condition for allowance. Reexamination and reconsideration of the pending claims are requested, and allowance is earnestly solicited at an early date. The Examiner is invited to telephone the undersigned if the Examiner has any suggestions, thoughts or comments, which might expedite the prosecution of this case.

Respectfully submitted,




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Eric Ho (RN 39,711)

August 6, 2004
(Date)